HAWAII

Science and Engineering Profile

	Hawaii	U.S.	Rank		Hawaii	U.S.	Rank
Doctoral scientists, 1993	2,362	430,332	38	Total R&D performance, 1993 (millions)	$380	$161,427	39
Doctoral engineers, 1993	209	81,293	44	Industry R&D, 1993 (millions)	$255	$117,622	37
S&E doctorates awarded, 1995	125	26,482	38	Academic R&D, 1994 (millions)	$70	$20,573	42
of which, in social sciences	39%	15%		of which, in life sciences	42%	55%	
in life sciences	30%	24%		in physical sciences	29%	10%	
in environmental sciences	10%	3%		in environmental sciences	12%	7%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	59	36,143	42	expenditures, 1993 (millions)	$693	$163,994	41
S&E graduate students, 1994				Number of SBIR awards, 1990-94	69	18,023	29
in doctorate-granting institutions	2,326	438,694	37	Patents issued to state residents, 1995	66	55,717	46
Population, 1995 (000s)	1,187	262,755	40	Gross state product, 1992 (billions)	$33.2	$5,994.1	38
Civilian labor force, 1995 (000s)	580	132,281	42	of which, agriculture	1%	2%	
				manufacturing, mining, construction	10%	23%	
Personal income per capita, 1995	$24,738	$22,788	10	transportation, communication, utilities	10%	9%	
				wholesale and retail trade	16%	16%	
Federal spending				finance, insurance, real estate	19%	18%	
Total expenditures, 1995 (millions)	$7,529	$1,326,294	39	services	23%	20%	
R&D obligations, 1994 (millions)	$140	$65,654	40	government	20%	12%	

Rankings and totals are based on data for the 50 States and D.C.
Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Hawaii by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	140,305	61,156	0	11,210	55,606	11,375	958	40
Department of Agriculture	20,612	9,796	0	0	5,357	5,459	0	23
Department of Commerce	13,138	8,413	0	194	4,452	0	79	14
Department of Defense	47,042	32,517	0	9,698	4,827	0	0	31
Department of Energy	2,706	0	0	0	2,656	50	0	44
Dept. of Health & Human Services	24,277	0	0	675	17,526	5,800	276	40
Department of the Interior	10,920	10,380	0	0	540	0	0	19
Department of Transportation	752	0	0	0	149	0	603	46
Environmental Protection Agency	0	0	0	0	0	0	0	na
Nat'l Aeronautics & Space Admin.	6,987	50	0	160	6,777	0	0	32
National Science Foundation	13,871	0	0	483	13,322	66	0	29
State rank	40	28	na	42	35	26	47	

Federal R&D obligations are as reported by funding agencies.
FFRDC = federally funded research and development center
SBIR = small business innovation research
na = not applicable

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